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LTL NUMBER: 07855
PREPARED FOR: SIM-KAR LIGHTING
CATALOG NUMBER: ADJUST-432
LUMINAIRE: FORMED STEEL HOUSING WITH CAST ALUMINUM ENDS, FORMED SPECULAR ALUMINUM REFLECTORS, NO ENCLOSURE. LAMPS IN LOW POSITION.

DATE: 12-16-2003

LAMPS: SIX 32 WATT T8 LINEAR FLUORESCENT LAMPS RATED AT 2850 LUMENS EACH.

LAMP CATALOG NUMBER: PHILIPS F32T8/TL841

BALLAST: ONE MAGNETEK B232I120RH AND ONE ADVANCE REL-4P32-RH-TP

LER: 84.1 BASED ON A MEASURED BALLAST FACTOR OF 84.9%

NOTE: THIS TEST WAS PRORATED FROM LTL TEST NUMBER 07851 TO SIMULATE A FOUR LAMP T8 LINEAR FLUORESCENT LUMINAIRE.

MOUNTING: PENDENT

LUMEN TO CANDELA RATIO USED = 9.18

TOTAL AS TESTED INPUT WATTS =164.5 AT 120.0 VOLTS

TOTAL PRORATED INPUT WATTS = 109.7 AT 120.0 VOLTS

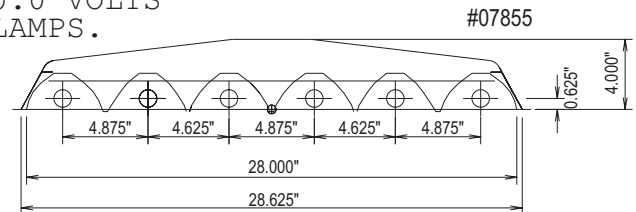
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

CANDELA DISTRIBUTION

Table with 6 columns representing candela values at various angles (0.0, 22.5, 45.0, 67.5, 90.0) for angles from 0 to 90 degrees.

FLUX

Table with 2 columns: angle and flux value, corresponding to the candela distribution table.



ZONAL LUMEN SUMMARY

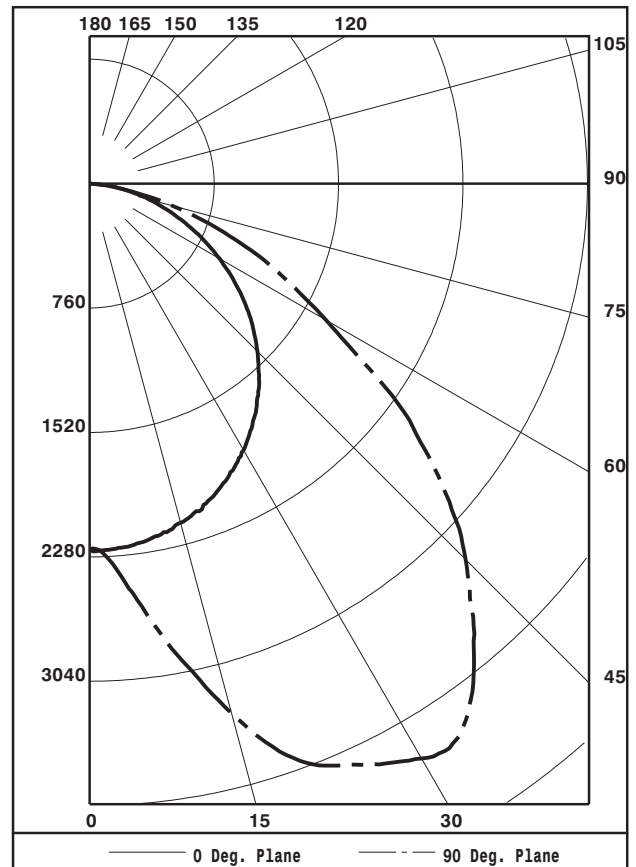
Table with 4 columns: ZONE, LUMENS, %LAMP, and %FIXT, showing lumen distribution across different zones.

TOTAL LUMINAIRE EFFICIENCY: 95.3%

CIE TYPE: DIRECT
PLANE: 0-DEG 90-DEG
SPACING CRITERIA: 1.2 2.0
LUMINOUS LENGTH: 48.125 28.625

LUMINANCE IN CANDELA PER SQUARE METER

Table with 4 columns: ANGLE IN DEG, AVERAGE 0-DEG, AVERAGE 45-DEG, and AVERAGE 90-DEG, showing luminance values.



TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

Table with 15 columns (RC, RW, 80, 70, 50, 30, 10, 0) and 11 rows (0-10) showing utilization coefficients.

CANDELA DISTRIBUTION

Table with 6 columns (0.0, 22.5, 45.0, 67.5, 90.0) and 17 rows (0-90) showing candela values.

ZONAL LUMEN SUMMARY

Table with 3 columns (0-5, 5-10, 10-15, 15-20, 20-25, 25-30, 30-35, 35-40, 40-45, 45-50, 50-55, 55-60, 60-65, 65-70, 70-75, 75-80, 80-85, 85-90) and 17 rows showing zonal lumen values.

THIS TEST WAS CONDUCTED USING RELATIVE PHOTOMETRY TECHNIQUES ACCORDING TO STANDARD IESNA PROCEDURES. THE USER MUST THEREFORE USE CAUTION IN THE FOLLOWING SITUATIONS: 1) THIS TEST WAS PERFORMED USING A SPECIFIC BALLAST/LAMP COMBINATION. EXTRAPOLATION OF THESE DATA FOR OTHER BALLAST/LAMP COMBINATIONS MAY PRODUCE ERRONEOUS RESULTS. 2) ACCORDING TO IESNA PROCEDURES, THE BALLAST(S) AND LAMP(S) ARE PRESUMED TO PRODUCE 100% OF RATED OUTPUT. AN APPROPRIATE BALLAST FACTOR MUST BE APPLIED TO THE LUMEN OUTPUT RATINGS AND LUMINOUS INTENSITY VALUES GIVEN. 3) THIS TEST WAS CONDUCTED IN A CONTROLLED LABORATORY ENVIRONMENT WHERE THE AMBIENT TEMPERATURE WAS HELD AT 25 C ± 1 C. FIELD PERFORMANCE MAY DIFFER PARTICULARLY IN REGARDS TO CHANGE IN LUMINOUS OUTPUT AS A RESULT OF DIFFERENCE IN AMBIENT TEMPERATURE AND METHOD OF MOUNTING THE LUMINAIRE.